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Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in this application. Please amend the claims as follows:

<u>Claims</u>

We Claim:

1. (Currently Amended) A method or preparing for reducing hydrogen sulfide emissions from asphalt, comprising:

adding zinc oxide to asphalt in an amount effective to reduce hydrogen sulfide (H₂S) emissions,; and

——wherein an amount of from greater than 0.05 wt % to less than 3.0 wt % of zinc oxide is added to the asphalt, and wherein the zinc oxide reduces hydrogen sulfide emissions; and

adding a crosslinker, wherein the crosslinker is comprised of dithiocarbamates or is selected from the group consisting of an alkyl polysulfide, an ester polysulfide, and mixtures thereof.

- 2. (Cancelled).
- 3. (Original) The method of claim 1 where the hydrogen sulfide emission is reduced to about 50 ppm or lower.
- 4. (Currently Amended) The method of claim 1 wherein the zinc oxide is added in an amount ranging from 0.5 to 2 wt% based on the asphalt crosslinker is selected from the group consisting of an alkyl polysulfide, an ester polysulfide, dithiocarbamates, and mixtures thereof.
- 5.-6. (Cancelled).

- 7. (Currently Amended) The method of claim 6-1 where in adding the at least one additional crosslinker, the crosslinker is added and is further selected from the group consisting of elemental sulfur, mercaptobenzothiazole (MBT), thiurams, dithiocarbamates, mercaptobenzimidazole, dithiodimorpholine, and mixtures thereof.
- 8. (Cancelled).
- 9. (Currently Amended) The method of claim 1 further comprised of adding aggregate to the asphalt.
- 10. (Currently Amended) A method for preparing asphalt comprising: heating asphalt;

adding a crosslinker to the mixture, where the crosslinker is selected from the group-consisting of elemental sulfur, mercaptobenzothiazole (MBT), thiurams, dithiocarbamates, mercaptobenzimidazole, and mixtures thereof; and

reducing hydrogen sulfide (H_2S) emissions in the asphalt by adding- an amount of from 0.05 greater than 0.86 wt% to less than 3.0 wt% of said zinc oxide.

11. (Currently Amended) The method of claim 10 further comprised of adding a vinyl aromatic/conjugated diene elastomeric polymer to said asphalt, where the zinc oxide is added in an amount greater than 0.15 wt% to less than 3.0 wt% and where the crosslinker is present in an amount ranging from about 0.01 to 0.6 wt%.

- 12. (Currently Amended) The method of claim 10 further comprising the step of adding a crosslinker to the asphalt, where the crosslinker is selected from the group consisting of elemental sulfur, mercaptobenzothiazole (MBT), thiurams, mercaptobenzimidazole, dithiodimorpholine, and mixtures thereof where zinc exide that seavenges H₂S is added in an amount ranging from 0.5 to about 2 wt.% based on the asphalt composition.
- 13.-14.(Cancelled).
- 15. (Original) The method of claim 10 where the hydrogen sulfide emission is reduced to about 50 ppm or lower.
- 16. (Currently Amended) The method of claim 10 further comprised of adding aggregate to the asphalt.
- 17. (Previously Presented) An asphalt prepared by the method of claim 10.
- 18.-21. (Cancelled).
- 22. (Previously Presented) A road made from the asphalt of claim 17 and aggregate.
- 23. (Previously Presented) A roof sealed with the asphalt of claim 17.
- 24.-26.(Cancelled).

- 27. (Currently Amended) A method of recycling asphalt comprising:

 physically removing asphalt from a location;

 and in any order reducing the size of the removed asphalt;

 heating the removed asphalt;[,] and

 adding zinc oxide to the asphalt in an amount effective to reduce hydrogen sulfide (H₂S) emissions, wherein an amount of from greater than 0.86 0.05-wt % to less than 3.0 wt % of zinc oxide is added to the asphalt.
- 28. (Previously Presented) Asphalt made by the method of claim 27.
- 29. (Cancelled).
- 30. (Previously Presented) The method of claim 1 where the hydrogen sulfide emission is reduced to about 10 ppm or lower.
- 31. (Currently Amended) The method of claim 121 further comprising the step of reducing H₂S emissions by adding the cross-linking agent at 280° F.
- 32. (Currently Amended) The method of claim 124 further comprising the step of reducing H₂S emissions by adding the cross-linking agent at a lowest temperature at which asphalt can be effectively pumped.
- 33. (Previously Presented) An asphalt made by the method of claim 1.
- 34. (Previously Presented) An asphalt made by the method of claim 11.

- 35. (Currently Amended) The method of claim 27 wherein the asphalt is polymer modified and wherein greater than 0.15 wt % to less than 3.0 wt % of zine oxide is added and wherein thea crosslinker is also added present in an amount ranging from about 0.01 to 0.6 wt%.
- 36. (New) The method of claim 10 wherein an amount of from greater than 1 wt % to less than 3.0 wt % of zinc oxide is added to the asphalt to reduce hydrogen sulfide (H₂S) emissions.
- 37. (New) A method of preparing a non-elastomeric base asphalt, comprising: adding zinc oxide to a non-elastomeric base asphalt in an amount effective to reduce hydrogen sulfide (H₂S) emission;

wherein an amount of from greater than 0.86 wt % to less than 3.0 wt % of zinc oxide is added to the asphalt; and

wherein the zinc oxide reduces hydrogen sulfide emissions.

38. (New) The method of claim 37 further comprising the step of adding a crosslinker, wherein the crosslinker is selected from the group consisting of elemental sulfur, mercaptobenzothiazole (MBT), thiurams, dithiodimorpholine, dithiocarbamates, mercaptobenzimidazole, and mixtures thereof.